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Supplement of

High-resolution inventory and classification of retrogressive thaw slumps in West Siberia

Nina Nesterova et al.

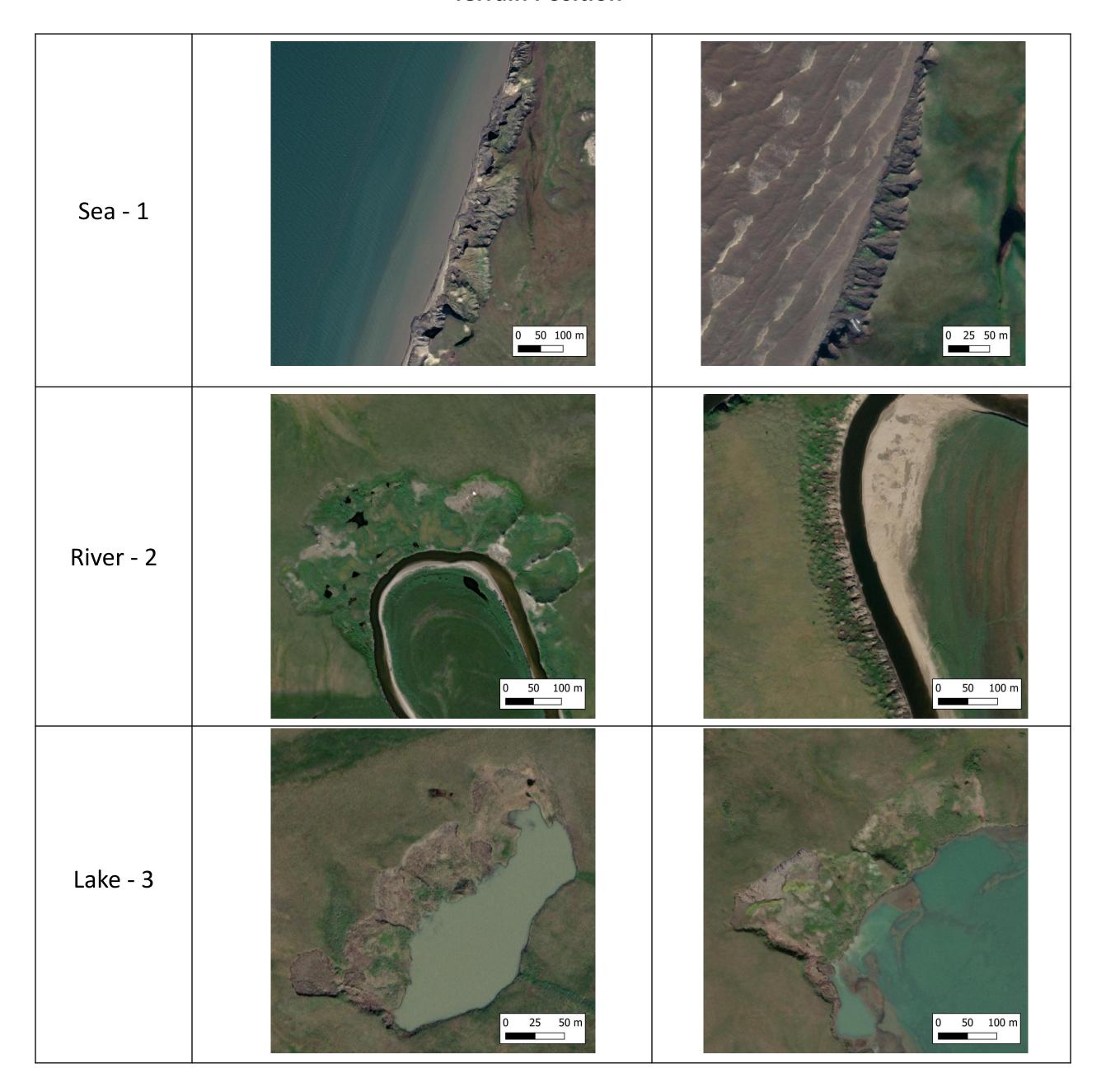
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Classifiers:

- Terrain position
- Morphology
- Spatial organization
- Concurrent processes

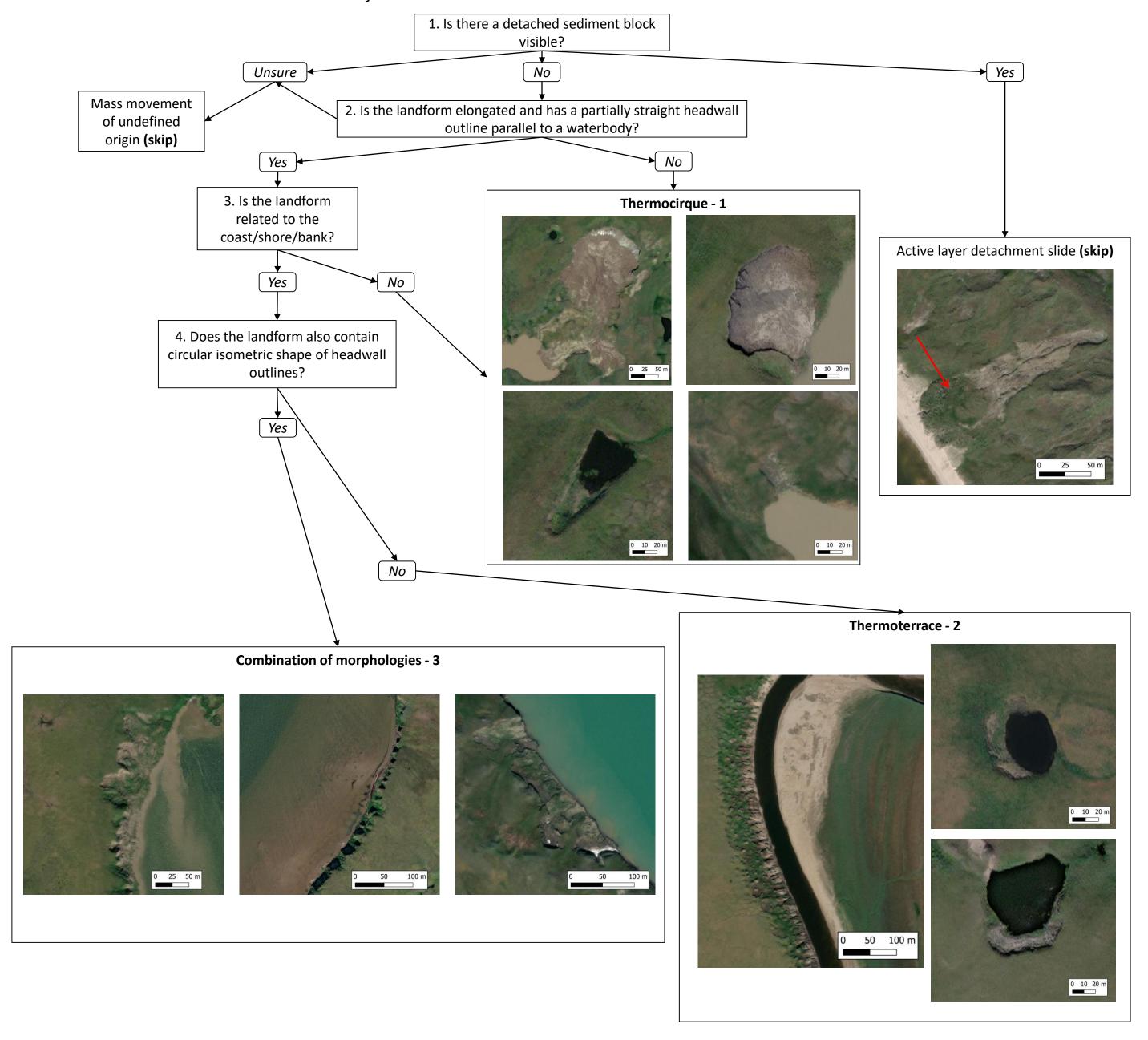
Terrain Position





Morphology

Permafrost disturbance that looks like a mass movement



Spatial Organization

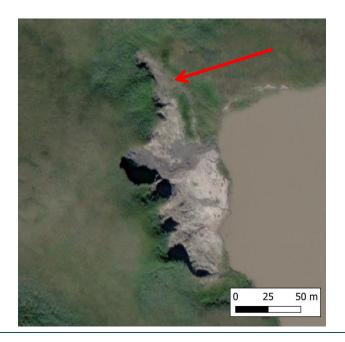


Concurrent processes

Lateral thermo-erosion

A rugged outline of an RTS and traces of erosive flows



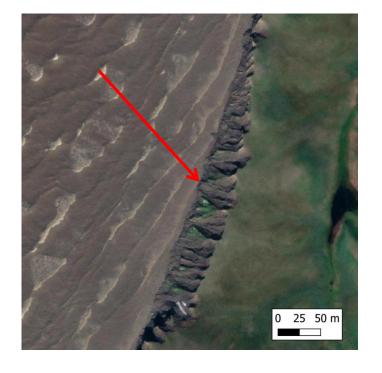




Coastal thermo-erosion

A sharp dark outline of RTS connecting the waterbody and the absence of sediment accumulation in the water





Ice-wedge erosion

RTS headwall has a jagged outline resembling the adjacent polygonal surface of undisturbed tundra

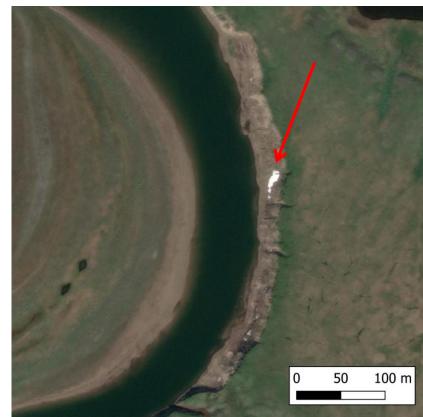




Nivation (snowpack staying over the summer)

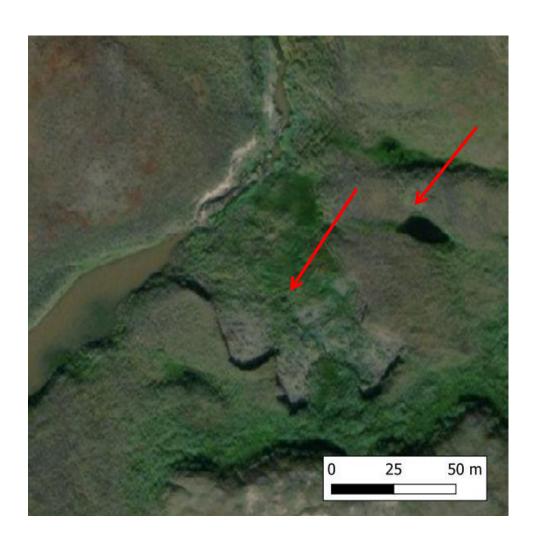
White shapes and spots within an RTS

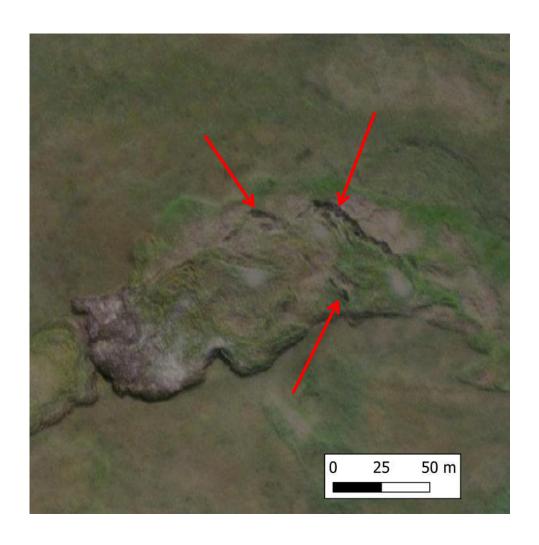






Thermokarst subsidence
Small depressions filled with water within an RTS outline that look like dark spots





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